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March 3, 2004

**[820504-1010]**

**TO**

Commissioner for Patents  
U.S. Patent and Trademark Office  
(Attn: Examiner Robert H. Spitzer;  
Group Art Unit: 9713)

**FROM**

Charles Vorndran, Ph.D.

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**RE: U.S. Patent Application**

**Title: Method for Species Exchange and an Apparatus Therefore**

**Please see attached Response to Final Office Action**

**Number of Pages (Including This Cover Sheet): 21 Page(s)**  
**PLEASE ACKNOWLEDGE SAFE AND CLEAR RECEIPT OF ALL PAGES.**

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**INTERNATIONAL PATENT, TRADEMARK AND COPYRIGHT LAW AND RELATED LITIGATION**

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## CERTIFICATE OF FACSIMILE

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ATTN: Mr. Robert H. Spitzer  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

OFFICIAL

on March 3, 2004

Jennifer N. Pomenis  
Jennifer N. Pomenis

In Re Application of:

DuBose et al.

Group Art Unit: 1724

Serial No.: 09/975,870

Examiner: Robert H. Spitzer

Filed: October 12, 2001

Docket No.: 820504-1010

For: **Method for Species and Exchange and an Apparatus Therefore**

The following is a list of documents enclosed:

Second Response  
Copy of Statement of Common Ownership  
Certificate of Facsimile

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Confirmation No.: 9713

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Examiner: Robert H. Spitzer

Docket No. 820504-1010

For: Method for Species and Exchange and an Apparatus Therefore

**SECOND RESPONSE (WITH AMENDMENTS)**

Mail Stop: AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

The outstanding final Office Action mailed *January 29, 2004* (Paper No. 12) has been carefully considered. In response thereto, please enter the following amendments in which claims 4, 8-16, 19, 20, 22-24, 27-28, 30-32, and 34-37 are amended, and new claim 41 is added. Claims 1, 2 and 4-41 are pending in the present application upon entry of this amendment. Reconsideration and allowance of the application and presently pending claims, as amended, are respectfully requested.

***AUTHORIZATION TO DEBIT ACCOUNT***

It is believed that no extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to deposit account no. 20-0778.